**Receiving Report** Batch No. 1 2 36// Date: Dart P/O: Supplier: Release Note Attached: Waybill Attached NAS Shipment Completed No Yes Packing Slip: Yes Yes Invoice: Yes No C No Receipt: Cash QC6 Inspection S. N/A Work Order N/A Discrepancies Part Quantity Quantity Quantity Quantity Description Comments Number Ordered Received Returned **Short** Initials of receiver (if shipment OK) Level 12 Production/Admin: Location Date Received/Costing Initial

H:\FORMS\Purchasing\approved purch\RECREPORT Rev D

# Purchase Order Receipt Listing

Wednesday, November 07, 2012 10:31:10 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO18277 Receipt Dates from 11/7/2012 to 11/7/2012 All Line Item Types All Item ID/GL/WOs All Rec. Employees All Currencies Grouped by Vendor ID

Purchase Line Order ID/ Nbr/ Curr Type Insp	Project ID	Reference/ Description/ Cert Std	ŽŽ.	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	
VendorID\Vendor Name		VC-COP001 Thyss	Thyssenkrupp Materials CA Ltd		11 CIOCITI 11 CIOCITI	16,000	\$39.89	0.0000	0	\$638.24
		M7075T6B6.000X1.0-f 00		111112012	71/17/11			00000	0	
No	W1000	7075-T6 BAR 6.000" f	0" f	16.0000	DESJ02		\$638.24	0.0000	0	
		X 1.000" 123611								6211.41
		M7075T6B6.000X0.2 f	0.2 f	11/7/2012	11/7/2012 11/7/2012	16.0000	\$13.21	0.0000	0	\$511.41
S.		50 7075-T6 BAR 6.000" f	10" f	16.0000	DESJ02		\$211.41	0.0000	0	٠,٠
		X 0,250" 123611								4334 33
c.		M7075T6B0.375X8.0 f	8.0 f	11/7/2012	11/7/2012	16.0000	\$20.90	0.0000	o	
%		00 7075-T6 BAR 0.375" X 8.000"	15" f	16.0000	DES102		\$334.33	0.0000	0	÷
		123611							c	\$1.370.37
4		M7075T6B7.000X2.0 f	2.0 f	11/7/2012	11/7/2012	16.0000	\$82.65	0.0000	0	10
No.		7075-T6 BAR 7.000" f X 2.000"	₽ J "00	16.0000	DES102		\$1,370.37	0.000	0	
		123611						•		
5		M7075T6B0.375X6.0 f	₹6.0 f	11/7/2012	11/7/2012	16.0000	\$16.89	0.0000	0	
N <sub>o</sub>		00 7075-T6 BAR 0.375" X 6.000"	75" f	16.0000	DESJ02		\$270.27	0.0000	0	
		123611	<b>.</b>	717/2012	11/7/2012	16.0000	\$8.51	0.0000	0	\$136.14
9		M707516B0.375X5.01 00		7107//11						
No No		7075-T6 BAR 0.375" f X 3.000" 123611	75" f	16.0000	DESJ02		\$136.14	0.0000	0	,

I	7
l	of
l	Ü
l	age
	P

Book Amt	\$1,499.50			144,0000 0.0000 0.0000 \$4,460.25 0.0000
				:
MRB Qty/ MRB Reject Qty	0	0		ntity: U/M): ntity: 'alue:
Inspected Qty/ Rejected Qty N (PO U/M)	0.0000	0.0000		Total Received Quantity:  Total Qty to Inspect (PO U/M):  Total Reject Quantity:  Total Receipt Value:  Total Balance Due Quantity:
Cost Per Unit/ Recv Value	\$31.24	\$1,499.50		Total Q
Recv Oty (PO U/M)	48.0000			
Recv Date/ Recv Emp	11/7/2012	DES102		
Required Date Required Qty	11/7/2012 11/7/2012	48.0000		
ce/ PO U/M / ion/ Stock U/M	OP001 Thyssenkrupp Materials CA Ltd M7075T6B5.000X1.0 f	7075-T6 BAR 5.000" f X 1.000"		
Project ID Reference/ Description/ Cert Std	VC-COP001 M7075T6 00	7075-T6 ] X 1.000"	123611	: : : :
Project II				
Line Nbr/ Insp Req	or Name 7	No		
Purchase Order ID/ Curr Type	endorID/Vendor Name PO18277 7	CAD		

BILL OF L
Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Tel: 613-632-9577 Fax: 613-632-1053

PEC 793603 LADING No:Ship Date 05Nov12 at 8:28 From PFW Probill VIM TRANSFER Via CONCORD FOB PREPAID Frt 0- 0 Manifest Route Trailer Vhcle Slp STAN IVERS (905-532-1350) Sold To: ( 20115) DART AEROSPACE 1270 ABERDEEN ST HAWKESBURY, ON K6A 1K7

9.33 SFT

2

286

BILL OF LADING 1) Our Order PEC-505241- 1 Your PO # 18277 Part # QQ-A-250/12 Rel ALUMINUM PLATE 7075-T651 1.00" THICK X 6.0000" X 96.0000" Wt LBS Quantity Heat Number Taq No 8.00 SFT 125 212001 120912 2) Our Order PEC-505241- 2 Your PO # 18277 Part # QQ-A-250/12 Rel # ALUMINUM PLATE 7075-T651 .250" THICK X 6.0000" X 96.0000" Quantity Wt LBS Heat Number Tag No 8.00 SFT 3874422 ---384-422 120913 3) Our Order PEC-505241- 3 Your PO # 18277 Rel # QQ-A-250/12 Part # ALUMINUM PLATE 7075-T651 .375" THICK X 8.0000" X 96.0000" Wt LBS Heat Number Tag No 559802A4 120914 Quantity 10.67 SFT 559802A4 4) Our Order PEC-505241- 4 Your PO # 18277 Part # QQ-A-250/12 ALUMINUM PLATE 7075-T651 2.00" THICK X 7.0000" X 96.0000" **PCS** Wt LBS Quantity Heat Number Taq No

120916

Page: 1 ....Continued

457441

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE RAPPORTÉES IMMÉDIATEMENT, ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT. MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

DATE

Ship Date 05Nov12 at 8:28 From PFW Ship From: Probill THYSSENKRUPP MATERIALS NA Via VIM TRANSFER 2821 LANGSTAFF ROAD Z8Z1 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033 FOB CONCORD Frt PREPAID Route 0- 0 Manifest Trailer Vhcle Slp STAN IVERS (905-532-1350) Sold To: (20115) Ship To: (
DART AEROSPACE DART AEROSPACE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_ BILL OF LADING 5) Our Order PEC-505241- 5 Your PO # 18277 Rel # Part # QQ-A-250/12 ALUMINUM PLATE 7075-T651 .375" THICK X 6.0000" X 96.0000" Heat Number Tag No Quantity PCS 559802A4 120918 8.00 SFT 2 Wt LBS 6) Our Order PEC-505241- 6 Your PO # 18277 Part # QQ-A-250/12 Rel # ALUMINUM PLATE 7075-T651 .375" THICK X 3.0000" X 96.0000" Quantity PCS 4.00 SFT 2 Heat Number Tag No 120920 Wt LBS 559802A4 7) Our Order PEC-505241- 7 Your PO # 18277 Part # QQ-A-250/12 Rel # Rel # ALUMINUM PLATE 7075-T651 1.00" THICK X 5.0000" X 144.0000" Quantity PCS 20.00 SFT 4 Wt LBS Heat Number Tag No 120921 315 549531 Tags PCS 7 16 LBS 882 TOTAL: MILL TEST REPORTS, PACKING SLIPS ARE TO SENT WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR TO SHIPPING. ATTN: CHANTAL/LINDA \*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\* \*\* REFERENCED ON IT \*\* TOTAL ITEMS (1-7) 1 SKID G.W. 863 LBS

PEC 793603

No:

Page: 2 ....Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE RAPPORTÉES IMMÉDIATEMENT. ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT. MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

BILLOFLADING

DATE

BILL LADING No: PEC 793603 Ship From: Ship Date 05Nov12 at 8:28 From PFW THYSSENKRUPP MATERIALS NA Probill 2821 LANGSTAFF ROAD Via VIM TRANSFER CONCORD, ONTARIO L4K 5C6 FOB CONCORD Tel: 905 669 9444 Fax: 905-738-9033 Frt PREPAID Route 0 – 0 Manifest

Ship To: DART AEROSPACE Vhcle Trailer Slp STAN IVERS (905-532-1350) Sold To: (20115)DART AEROSPACE

BILL OF LADING \*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA CONCORD, ONT.\* \*\*\* 9:00 AM TO 4:00 PM \*\*\*\* TEL. 800-926-2600 \*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* WE STOCK STAINLESS STEEL PLEASE LET US QUOTE YOUR NEXT REQUIREMENT \*\*\*\*\*\*\*\*\*\*\*\*\*\*\* \*\*\*PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE ADDED TO EVERY ORDER. \*\*\*

Page: Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE RAPPORTÉES IMMÉDIATEMENT. ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.

MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

CERTIFIED INSPECTION REPORT

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet.

This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this cartificate. The recording of false, fictificute, or otherwise fraudulent statements or entries on this cartificate by any recipient may be punished as a felony under applicable law.

2012-08-16 1418427 Ship Date

7279278

B.L. No.

Invoice No.

5400149413

### Alcoa Inc.

# DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

Ship From: RIVERDALE, IA.

Alcoa No. Item 1000400830-3

DP-00830-3

P.O. No./Govt Contract No. C&B Customer Alcoa Item G041094912R10

Rod of Wooders

Rob Woodall

Director of Manufacturing Davenport Works

Quality Assurance Manage Terrence Thom

Page 1 얁

Ship To: COPPER & BRASS SALES INC 1015 SAINT JEROME ST. MISHAWAKA 46544 IN

MAX GROSS SKID WGT: 4500 LB QUAN TOL +/40 % CQR 0210606 REV 10 CUST REQ 12-0808 \*\*\* W/E 12-08-11 \*\*\* Item Description
1.03 IN TK (+.094 -0.00) X 60.5 IN W (+.375 0.000) X 144.5 IN IN (+.5 -0.0) CAT X 090893-9 (N) A/T 7075-EXC MRK ASTMB209 REV 10 KRAFT PAPER INTERLEAVED 250/12 IS 2007 EXC\_MRK AMS4045 REV K ((MARKED))

ge Ticket	Lot	Weight	Quantity	UOM	Inspector Clock Numbers
2	211999	954	<u>н</u>	PC	47355
21	212001	954	Ы	PC	
	549531	954	Н	PC	47355 47406
2	549532	954	Ь	PC	
9	211999	957		-PC	
2	212001	957	<u>-</u>	PC	
2	549531	957	_	PC	47355 47406
2	549532	959	ب	PC	47355
ω.	211999	956	-	PC	
ш	212001	955	ш	PC	47355 47406
8	549531	955	1	PC	

110 110 110

439402

439372 439372 439372

439408

439408 439402 439402 439402 Num

439372 Packag

Notes for CQR: 0210606.10
PRODUCT PRODUCED AND MARKED TO THE REQUIREMENTS OF AMS-QQ- A-250/12 FALSO MEETS THE REQUIREMENTS OF QQ-A-250/12 F. PRODUCT PRODUCT THE REQUIREMENTS OF QQ-A-250/12.

10512

11

CQR: 0210606.10 -Specification Limits

Long Transv. Max Min KSI 77.0 67.0 TYS σ EL4D PCT

T651 Impr

Dir

From: Copper and Brass Sales

Cust: THYSSENKRUPP MATERIALS NA - ECAD Del: 2402137580

PEC-243261

Wgt:

125.066 LB

Part:

Date: 10/31/2012

### Alcoa Inc.

2012-08-16 1418427 Ship Date

7279278

B.L. No.

Invoice No.

P.O. No./Govt Contract No.

5400149413

# DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

RIVERDALE, IA.

Ship From:

Alcoa No. Item 1000400830-3

DP-00830-3

Customer Alcoa Item

G041094912R10

Terrence Thom Quality Assurance Manager

Rob Woodall

Director of Manufacturing Davenport Works

Rod of Wooders

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Page 2 ٥f

Impr T651 Tmpr T651 Chemical Composition CQR: 0210606.10 -Specification Limits (cont.) -Cast Number H9016014 Tmpr T651 Alloy 7075 Lot: 211999 Lot: 549531 Lot: 212001 Cast Number H9016014 Long Transv. Long Transv. Long Transv. Actuals - Mecha Chemical -Chemical -Actuals Mechanical, Physical, Metallography,
No-> UTS TYS Mechanical, Mechanical, Physical, Metallography, OES OES Test 3 No-> Test No-> Test Physical, Metallography, Quantometer Results SI 0.06 Other Other SI FE CU MN MG CR ZN TI Each Total 0.40 0.50 2.0 0.30 2.9 0.28 6.1 0.20 0.05 0.15 1.2 2.1 0.18 5.1 2hysical, Metallograph. 0.06 FE CU 0.25 1.5 0.25 1.5 Έ UTS KSI 82.2 82.6 82.3 KSI 82.8 83 82.7 KSI 82.6 82.5 82.5 UTS KSI 73.1 73.7 72.9 KSI 73.5 74.3 72.9 0.02 KSI 72.5 73.6 72.6 MN MG CR 0.02 2.4 0.18 ĭ MG CR 2.4 0.18 Quantometer Results Quantometer Results PCT 12.2 11.9 12.1 PCT 13.1 12.5 12.8 PCT 13.3 12.7 12.7 EL4D EL4D EL4D ZN TI 5.5 0.01 5.5 0.01 Total Aluminum REMAIN

From: Copper and Brass Sales

Cust: THYSSENKRUPP MATERIALS NA - ECAD Del: 2402137580

125.066 LB

Wgt:

Part:

PO: PEC-243261

Date: 10/31/2012

ames 1

## CERTIFIED INSPECTION REPORT

### Alcoa Inc.

1418427 Ship Date 2012-08-16

B.L. No. 7279278

# DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

RIVERDALE, IA.

Ship From:

00000 Invoice No Alcoa No. Item 1000400830-3

DP-00830-3

P.O. No./Govt Contract No. C&B Customer Alcoa Item G041094912R10

5400149413

Rod of Wooders

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Rob Woodall

Director of Manufacturing Davenport Works

Terrence Thom Quality Assurance Manager

Page 3 of 3

Cast Number H9016014		T651 Long			Lot: 549532	н9016014	Cast Number	Lot: 549531
Chemical - OES Actuals		Long Transv. 3	L	P	<ul> <li>Mechanical, Physical, Metallography, Quantometer Results</li> </ul>	Actuals	Chemical - 0	- Mechanical,
		w	Test	10-V	al, Ph	0	DES S	cal, P
0.06 IS					ysica	.06	H	hysic
FE 0.25	81.7 82.7	82.5	KSI	UTS	l, Me	0.25	FE	al, M
CU 1.5					tallo	1.5	G	etall
FE CU MN MG 0.25 1.5 0.02 2.4	72.1 73.8	74.2	KSI	SYT	graphy	0.02	Ĭ	ograpy
MG 2.4					7, Qua	2.4	MG	/, Qua
CR 0.18	12.4 12.2	11.5	PCT	EL4D	antomet	0.18	CR	Physical, Metallograpy, Quantometer Results
5.5					er Re	5. <sub>5</sub>	NZ	er Re
TI 0.01	12.4 12.2				sults	0.01	ΤI	sults
					1			(cont.
								)

This material was melted in the United States or a Qualifying Country [REF DFARS 225.872.1(a)]; it was manufactured in the United States

From: Copper and Brass Sales

THYSSENKRUPP MATERIALS NA - ECAD Del:

Cust:

Wgt:

125.066 LB

PO: PEC-243261

2402137580

Date: 10/31/2012

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet.

## ERTIFIED INSPECTION REPORT

## Alcoa Inc.

1362279 **Ship Date** 

0 B.L. No. 6909268

Invoice No.

2012-04-04

P.O. No./Govt Contract No.

5400132396 Ln#: 0010

C&B

G041100084R04

# DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

Ship From: RIVERDALE, IA.

Alcoa No. Item

DP-59855-1

Customer Alcoa Item 1000359855-1

Rod Wooded

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Rob Woodall

Director of Manufacturing Davenport Works

uality Assurance Manage Terrence Thom

Page 0£

Ship To: COPPER & BRASS SALES INC 1015 SAINT JEROME ST. MISHAWAKA 46544 IN

MAX GROSS SKID WGT: 4500 40 % CQR 0214954 REV 04 14 \*\*\* W/E 12-03-17 \*\*\* Item Description
0.25 IN TK (+.019 -.019) X 60.5 IN W (+.375 - 0.000) X 144.5 IN LN (+.5 -0.0) CAT X 090505-9 250/12 IS 2007 EXC MRK AMS4045 REV KEXC MRK ASTMB209 REV 10 ((MARKED)) KRAFT PAPER INTERLEAVED T651 RECTANGULAR MILL FINISH, SAWED LB QUAN TOL +/-CUST REQ 12-03-ALFLR00983. AMS-QQ-A-(N) A/T 7075-

4504500

397266 397266

397266 397201

397346 397266

397346

Num

397201

397200

Notes for CQR: 0214954.4

PRODUCED AND MARKED TO THE REQUIREMENTS OF QQ-A-250/12 F ALSO MEETS THE REQUIREMENTS OF AMS-QQ-A-250/12. PRODUCT PRODUCED AND MARKED TO THE REQUIREMENTS OF AMS-QQ- A-250/12 ALSO MEETS THE REQUIREMENTS OF QQ-A-250/12f. PRODUCT

12003

CQR: 0214954.4 -- Specification Limits

Long Transv. Max Min 78.0 KSI 67.0 TYS KSI EL4D PCT ø

Impr I651

From: Copper and Brass Sales

Cust: THYSSENKRUPP MATERIALS NA ECAD Del: 2402137652

29.139 LB

Part Wgt:

> PO: PEC-243261

Date:

10/31/2012

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet.

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Alcoa inc.

2012-04-04

1362279 Ship Date

B.L. No. 6909268

Invoice No.

P.O. No./Govt Contract No.

5400132396 Ln#: 0010

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

Ship From:

RIVERDALE, IA.

DP-59855-1

1000359855-1 Alcoa No. Item

G&B Customer Alcoa Item 00000 G041100084R04

Rod of Woodard

Rob Woodall

Director of Manufacturing Davenport Works

Terrence Thom Quality Assurance Manager

Page 2 of 3

		11.8	74.5	84.3				
		11.8 11.8	74.5 73.6	84.2 5.5	ω	Long Transv.		T651
		PCT	KSI	KSI	Test		Dir	Timo
	er Negation	- Mechanicai, Enysicai, Medairography, Suarcometer Nesurco	TYS	UTS	No->	- Mechani	Lot: 384421	Lot
	5.7 0.02	2 2.5 0.19	.6 0.02	0.06 0.28 1.6 0.02	0.00	Actuals	H9443015	H94,
	ZN TI	CR	U MN	FE CI		Chemical - OES	Cast Number	SEC
		12.1	73.9	84.2				
		12.1	74	84.2				H (
		12.1	74.1	84.2	ω	Long Transv.		17871 1871
		PCT	KSI	KSI	Test		Dir	, cattle
		EL4D	TYS	UTS	No->		1	t
	er Results	, Quantomet	llography	ical, Metai	ical, Physi	<ul> <li>Mechani</li> </ul>	Lot: 210774	1.01.
	5.7 0.02	2.5 0.19	.6 0.02	5 0.28 1	0.0	Actuals	H9443015	H94 4
	II NZ	Chemical - OES SI FE CU MN MG CR ZN TI	MN	FE CI	OES SI	Chemical - OES	Cast Number	יי מיי
		12.1	74.3	84.3				
		12.5	74.2	84.2				; (
		12.4	73.5	83.8	ω	Long Transv.		1.52±.
		PCT	KSI	KSI	Test		Dir	Tomm'T
		EL4D	TYS	UTS	No->		1	1
	er Results	<ul> <li>Mechanical, Physical, Metallography, Quantometer Results</li> </ul>	llography	ical, Metal	cal, Physi	<ul> <li>Mechani</li> </ul>	Tot: 210773	I of i
REMAIN		0.18 5.1	2.1	1.2	nin	: <b>7</b>	v 7075	Allo
0.15	.20 0.05	0.40 0.50 2.0 0.30 2.9 0.28 6.1 0.20 0.05	0.30 2.9	0.50 2.0	Max 0.40		CUEMTCAT COMPOSTEROM	Chen
Total Aluminum	I Each	CR ZN T	MG MG	CU	S	Osi+i on	i as I Comp	
Other	Other			's (corre-)	ורדסוו חידוודי	CQR: 0214954.4 -Specification bimers (contro)	0214954.	CQR:
	 		 		t	1	2	

From: Copper and Brass Sales

Çust: THYSSENKRUPP MATERIALS NA - ECAD Del: 2402137652

Wgt: 29.139 LB

Part:

PO: Date: 10/31/2012 PEC-243261

James R

## CERTIFIED INSPECTION REPORT

### Alcoa Inc.

2012-04-04

6909268

00000 Invoice No.

B.L. No.

P.O. No./Govt Contract No. 5400132396 Ln#: 0010

C&B

G041100084R04

Customer Alcoa Item

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

Ship From: RIVERDALE, IA.

Alcoa No. Item 1000359855-1

DP-59855-1

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and had the medianical properties shown on the face of this sheet. 1362279 Ship Date

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Rod of Wooders

Rob Woodall

Director of Manufacturing Davenport Works

Terrence Thom Quality Assurance Manager

Page 3 of 3

Impr 1651 Impr 1651 Н9443015 Cast Number Lot: 384423 Lot: 384422 Cast Number H9443015 Lot: 384421 H9443015 Cast Number Dir Long Transv. Long Transv. Transv. 3 84.1 74.8 11.8 PCT

Transv. 3 84.1 74.5 12.2

Chemical - OES SI FE CU MN MG CR RESults --
Transv. 3 84.1 74.5 11.8

Chemical - OES SI FE CU MN MG CR ZN TI

Transv. 3 84.3 74.5 11.8

Chemical - OES SI FE CU MN MG CR ZN TI

S melted in the United S+---Actuals Mechanical, Physical, Metallograpy, Quantometer Results (cont.)
 Chemical - OES SI FE CU MN MG CR ZN TI Mechanical, Physical, Metallography, Quantometer Results
No-> UTS TYS EL4D SI FE CU MN MG CR ZN TI 0.06 0.28 1.6 0.02 2.5 0.19 5.7 0.02 AS 14 9-89 الالمالي

This material was melted in the United States or a Qualifying Country [REF DFARS 225.872.1(a)]; it was manufactured in the United States

From: Copper and Brass Sales

Cust: THYSSENKRUPP MATERIALS NA -ECAD DeL:

2402137652

PO: Date: 10/31/2012 PEC-243261

Wgt: Part

29.139 LB





### **CERTIFIED TEST REPOF**

http://Online.KaiserAluminum.com

Kaiser Aluminum Trentwood Works Spokane. WA 99215-5108 (800) 367-2586

CUSTOMER PO NUMBER:		WORK PACKAGI	E:	CUSTOMER PART	NUMBER:	PROD	OUCT DESCRIPTION:	SCRIPTION:				
5400106640-0060				ALFLR00984	-60.5	Saw	ed Plate					
KAISER ORDER NUMBER:	LINE ITEM	:	SHIP DA	ATE:	ALLOY:		CLAD:	TEMPER:				
1120519	5		10/03	/2011	7075		BARE	T651				
WEIGHT SHIPPED:	QUANTITY	<b>'</b> :	B/L NU	MBER:	GAUGE:		WIDTH:	LENGTH:				
4758 LB	14 PCS	EST.	20339	942	0.3750 IN		60.500 IN	144.500 IN				
SHIP TO:					SOLD TO:							
COPPER & BRASS 5450 EAST HOME FRESNO, CA 9372					COPPER & BE ATTN: ACCOL P.O. Box 5116 SOUTHFIELD	JNTS	SPAYABLE					

MHU 1526136: LOT 559802A4: 14 pieces

### **Certified Specifications**

AMS 4045/RevK AMS-QQ-A-250/12 ASTM B 209/Rev07

Test Code: 1512

**Test Results:** 

LOT: 559802A4 CAST: 414 DROP: 28 INGOT: 4

Melted in USA (ASTM E8/B557) (EN 2002-1)

Tensile: Temper Dir/#Tests

> T651 LT / 02 (Min:Max)

83.7 : 83.9

72.8 : 72.8

Ultimate KSI (MPA) Yield KSI (MPA) Elongation % 13.5 : 14.7

(577 : 578)(502 : 502)

(ASTM E1251)

Chemistry:

Actual

SI CR ZNFECU MN MG TIOTHER 5.5 0.03 0.08 0.17 1.4 0.02 2.4 0.19 0.01 0.01 TOT 0.05

Chemistry:

SI FE CU MG CR znMNTI V ZROTHER 7075 MIN 0.00 0.00 1.2 0.00 2.1 0.18 5.1 0.00 0.00 0.00 MAX

0.05 MAX 0.40 0.50 0.30 2.9 0.28 6.1 0.20  $0.05 _{-0.05}$ TOT 0.15

Aluminum Remainder

ThyssenKrupp Materials N.A Inc. Copper and Brass Sales Division sold to:

Customer:

P.O#: PRE- 243261

CBS Delivery #:

QTY: 2 TUS BY: GA

Plant Serial: 4240789

Kaiser Order Number: 1120519

Line Item: 5



### **CERTIFIED TEST REPORT**

http://Online.KaiserAluminum.com

Kaiser Aluminum Trentwood Works Spokane, WA 99215-5108 (800) 367-2586

### CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC (Kaiser) hereby certifies that metal shipped under this order was melted in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for domestic content. This material has been inspected, tested and found in conformance with the requirements of the applicable specifications as indicated herein. For materialthicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements. All metal which is solution heat treated complies with AMS 2772. Any warranty is limited to that shown on Kaiser's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of Kaiser Aluminum Fabricated Products, LLC laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony underfederal law. ISO-9001:2000 certified.

MIKE KLOCKE, LABORATORIES SUPERVISOR

Plant Serial: 4240789 Kaiser Order Number: 1120519

Page 2 of 2 Line Item: 5

ZERTIFIED INSPECTION REPORT

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

RIVERDALE, IA.

<

Ship From:

Alcoa No. Item 1000379295-3

DP-79295-3

Customer Alcoa Item

00000 Invoice No.

2012-05-23 1383192 Ship Date

B.L. No. 7050217

P.O. No./Govt Contract No. 5400140162 Ln#: 0030 G&B G041008912R10

Rodd. Woodald

This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of tales, fictitious, or otherwise fraudulent statements or entries on this certificate by any recipient may be purished as a felony under applicable law.

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material mat the composition limits and had the mechanical properties shown on the face of this sheet.

Rob Woodall
Director of Manufacturing Davenport Works

Terrence Thom Quality Assurance Manager

Page

ш ٥f

Ship To: COPPER & BRASS SALES INC MISHAWAKA 46544 IN 1015 SAINT JEROME ST.

Item Description
2.03 IN TK (+.120 -0.00) X 60.5 IN W (+.375 2.03 IN TK (+.120 -0.00) X 60.5 IN W (+.375 0.000) X 144.5 IN LN (+.5 -0.0) (N) A/T 7075T651 RECTANGULAR MILL FINISH, SAWED ALFIR00999.
A-250/12 IS 2007 EXC MRK, TK TL, OIL AMS4045 REV K
TK TL ASTMB209 REV 10 ((MARKED)) KRAFT PAPER EXC\_MRK,

INTERLEAVED MAX

GROSS SKID WGT: 4500 LB QUAN TOL + CQR 0155986 REV 10 CUST REQ 12-05-23 \*\*\* W/E 12-05-26 \*\*\* QUAN TOL +/-30 %

3722 3727 3726 Weight Quantity MOM 24 24 24 47114 47114 47114 Inspector Clock Numbers

Num

Package Ticket

Lot

407227 407235 407243

457441 457441 457441

11175

g

Notes for CQR: 0155986.10
PRODUCT PRODUCED AND MARKED TO THE REQUIREMENTS OF AMS-QQ- A-250/12 ALSO MEETS THE REQUIREMENTS OF QQ-A-250/12F. PRODUCE PRODUCED AND MARKED TO THE REQUIREMENTS OF QQ-A-250/12 F ALSO MEETS THE REQUIREMENTS OF AMS-QQ-A-250/12.

CQR: 0155986.10 -Specification Limits

Long Transv. Max Min 76.0 UTS KSI 64.0 TYS KSI EL4D PCT

Tmpr T651

Copper and Brass Sales

Cust: THYSSENKRUPP MATERIALS NΑ 1 ECAD Del: 2402137655

Date: 10/31/2012 PEC-243261

Wgt:

286.103 LB

Part:

## CERTIFIED INSPECTION REPORT

### Alcoa Inc.

2012-05-23

B.L. No. 7050217

P.O. No./Govt Contract No. 5400140162 Ln#: 0030

G % D

G041008912R10

Customer Alcoa Item

00000 Invoice No.

Alcoa No. Item 1000379295-3

DP-79295-3

# DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

Ship From: RIVERDALE, IA.

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet. 1383192 Shi**p Date** 

This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of false, fictificus, or otherwise fraudulent statements or entries on this certificate by any recipient may be punished as a felony under applicable law.

Per:

Rod of Wooder

Rob Woodall
Director of Manufacturing Davenport Works

Page 2 of 2

CQR: 0155986.10 -Specification Limits (cont.)	10 -Specifica osition	ation	Limit SI	EE (co	nt.)		유   - CB	NZN	TI	Other Each	Other Total	on Limits (cont.)	]
Alloy 7075	Max Min		0.40	0.50	1.2	2 2		28 6.1 18 5.1	0.20	0.05	0.15	REMAIN	
Lot: 457441	<ul> <li>Mechanical, Physical, Metallography, Quantometer Results</li> </ul>	al, I	physic	al, M	etall	ograp.	հչ, ջ	uantome	ter R	esults			
		No->		UIS		SYT		EL4D					
		Test		KSI		KSI		PCT					
T651 Long	Long Transv.	ω		81.	œ.	71.	4	10.9					
				81.4	4	71.3	ω	10.8					
				81		71.	4	10.9					
Cast Number H9461081	Chemical - OES Actuals		SI 0.08	FE 0.28	1.6	0.0	3 MG	FE CU MN MG CR ZN 0.28 1.6 0.03 2.5 0.20 5.5	ZN 5.5	TI 0.02			

This material was melted in the United States or a Qualifying Country [REF DFARS 225.872.1(a)]; it was manufactured in the United States

izlulio

From: Copper and Brass Sales

Cust: THYSSENKRUPP MATERIALS NA - ECAD Del: 2402137655

PO: PEC-243261

Date: 10/31/2012

Wgt:

286.103 LB

lames 1 Sa





### **CERTIFIED TEST REPOR**

http://Online.KaiserAluminum.com

Kaiser Aluminum Trentwood Works Spokane, WA 99215-5108 (800) 367-2586

CUSTOMER PO NUMBER:	·	WORK PACKAGE:		CUSTOMER PART	NUMBER:	PROD	UCT DESCRIPTION:	
5400106640-0060				ALFLR00984	-60.5	Saw	ed Plate	
KAISER ORDER NUMBER:	LINE ITEM	: SI	HP DA	ATE:	ALLOY:		CLAD:	TEMPER:
1120519	5	. 10	0/03	/2011	7075		BARE	T651
WEIGHT SHIPPED:	QUANTITY	': B/	L NUN	IBER:	GAUGE:		WIDTH:	LENGTH:
4758 LB	14 PCS	EST. 2	0339	942	0.3750 IN	144.500 IN		
SHIP TO:					SOLD TO:			
COPPER & BRASS 5450 EAST HOME FRESNO, CA 9372					COPPER & BE ATTN: ACCOL P.O. Box 5116 SOUTHFIELD	JNTS	PAYABLE	

MHU 1526136: LOT 559802A4: 14 pieces

### **Certified Specifications**

AMS 4045/RevK AMS-QQ-A-250/12 ASTM B 209/Rev07

Test Code: 1512

Test Results:

LOT: 559802A4 CAST: 414 DROP: 28 INGOT: 4

Melted in USA (ASTM E8/B557) (EN 2002-1)

Dir/#Tests Tensile: Temper T651

LT / 02 (Min:Max)

83.7 : 83.9

Ultimate KSI (MPA) Yield KSI (MPA) Elongation % 72.8 : 72.8

ralulio

13.5 : 14.7

(577 : 578)(502 : 502)

(ASTM E1251)

Chemistry: Actual

ZNTI OTHER SI FE CU MN MG CR 0.03 0.08 0.17 1.4 0.02 2.4 0.19 5.5 0.01 0.01 0.05

Chemistry: 7075

SI CU MN MG CR ZNTI ZROTHER FE0.00 0.00 2.1 0.18 5.1 0.00 0.00 0.00 MAX 0.05 MIN 0.00 1.2 MAX 0.40 0.50 2.0 0.30 2.9 0.28 6.1 0.20 0.05 0.05 TOT 0.15

Aluminum Remainder

ThyssenKrupp Materials N.A Inc. Copper and Brass Sales Division sold to:

Customer:

P.O#: P.EC-243261 CBS Delivery #:

OTY: 274

Date: (0/21/12

Plant Serial: 4240789 Kaiser Order Number: 1120519

Line Item: 5



### **CERTIFIED TEST REPORT**

http://Online.KaiserAluminum.com

Kaiser Aluminum Trentwood Works Spokane, WA 99215-5108 (800) 367-2586

### CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC (Kaiser) hereby certifies that metal shipped under this order was melted in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for domestic content. This material has been inspected, tested and found in conformance with the requirements of the applicable specifications as indicated herein. For materialthicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements. All metal which is solution heat treated complies with AMS 2772. Any warranty is limited to that shown on Kaiser's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of Kaiser Aluminum Fabricated Products, LLC laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony underfederal law. ISO-9001:2000 certified.

MIKE KLOCKE, LABORATORIES SUPERVISOR

Plant Serial: 4240789 Kaiser Order Number: 1120519

Line Item: 5

Page 2 of 2





### **CERTIFIED TEST REPOF**

http://Online.KaiserAluminum.com

Kaiser Aluminum Trentwood Works Spokane, WA 99215-5108 (800) 367-2586

CUSTOMER PO NUMBER:		WORK PACKAG	E:	CUSTOMER PART	NUMBER:	PROD	UCT DESCRIPTION:				
5400106640-0060		:		ALFLR00984	-60.5	Saw	ed Plate				
KAISER ORDER NUMBER:	LINE ITEM	: :	SHIP DA	ATE:	ALLOY:		CLAD:	TEMPER:			
1120519	5		10/03	/2011	7075		BARE	T651			
	QUANTITY	<b>'</b> :	B/L NUN	MBER:	GAUGE:		WIDTH:	LENGTH:			
4758 LB	14 PCS	EST.	20339	942	0.3750 IN		60.500 IN	144.500 IN			
SHIP TO:			J		SOLD TO:						
COPPER & BRASS 5450 EAST HOME FRESNO, CA 9372					COPPER & BF ATTN: ACCOU P.O. Box 5116 SOUTHFIELD	JNTS	PAYABLE				

MHU 1526136: LOT 559802A4: 14 pieces

### **Certified Specifications**

AMS 4045/RevK AMS-QQ-A-250/12 ASTM B 209/Rev07

Test Code: 1512

Test Results:

LOT: 559802A4 CAST: 414 DROP: 28 INGOT: 4

Melted in USA (ASTM E8/B557) (EN 2002-1)

Tensile: Temper

T651

Dir/#Tests

LT / 02 (Min:Max)

MN

83.7 : 83.9

72.8 : 72.8

Ultimate KSI (MPA) Yield KSI (MPA) Elongation % 13.5 : 14.7

(502 : 502)(577 : 578)

(ASTM E1251)

Chemistry:

Actual

SI FECU 0.08 0.17

0.02 1.4

MG CR 0.19 2.4

MG

ZNΤI 5.5 0.03

R0.01 0.01 OTHER 0.05

Chemistry:

7075

SI 0.00 0.00 MTN XAM 0.40 0.50

CU 1.2 2.0

0.00 2.1 0.30 2.9

0.18 0.28 6.1

CR

zn5.1 0.00 0.20

TI

0.00 0.05

V

0.00

TOT

ZR

0.05 MAX 0.15

OTHER

Aluminum Remainder

ThyssenKrupp Materials N.A Inc. Copper and Brass Sales Division sold to:

Customer:

P.O#: PEC-243261 CBS Delivery #:

QTY:

Plant Serial: 4240789

Kaiser Order Number: 1120519

Line Item: 5



### **CERTIFIED TEST REPORT**

http://Online.KaiserAluminum.com

Kaiser Aluminum Trentwood Works Spokane, WA 99215-5108 (800) 367-2586

### CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC (Kaiser) hereby certifies that metal shipped under this order was melted in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for domestic content. This material has been inspected, tested and found in conformance with the requirements of the applicable specifications as indicated herein. For materialthicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements. All metal which is solution heat treated complies with AMS 2772. Any warranty is limited to that shown on Kaiser's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of Kaiser Aluminum Fabricated Products, LLC laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony underfederal law. ISO-9001:2000 certified.

MIKE KLOCKE, LABORATORIES SUPERVISOR

Plant Serial: 4240789
Kaiser Order Number: 1120519

Line Item: 5

Page 2 of 2

## SERTATIED INSPECTION REPORT

### Alcoa Inc.

2012-08-16 1418427 Ship Date

0 B.L. No. 7279278

P.O. No./Govt Contract No.

5400149413

C&B

G041094912R10

Customer Alcoa Item

00000 Invoice No.

# DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

Ship From:

Alcoa No. Item 1000400830-3

DP-00830-3

RIVERDALE, IA.

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet.

This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of false, fictitious, or otherwise fraudulent statements or entries on this certificate by any recipient may be punished as a felony under applicable law.

Per:

Rod of Woods

Rob Woodall

Director of Manufacturing Davenport Works

Terrence Thom Quality Assurance Manager

Page 1 of 3

Ship To: COPPER & BRASS SALES MISHAWAKA 46544 IN 1015 SAINT JEROME ST.

1.03 IN TK (+.094 -0.00) X 60.5 IN W (+.375 - 0.000) X 144.5 IN LN (+.5 -0.0) CAT X 090893-9 (N) A/T 7075-T651 RECTANGULAR MILL FINISH, SAWED ALFLR00994. AMS-QQ-A-MAX GROSS SKID WGT: 4500 EXC\_MRK ASTMB209 REV 10 40 % CQR 0210606 REV 10 250/12 IS 2007 EXC\_MRK AMS4045 REV K KRAFT PAPER Item Description \*\*\* W/E 12-08-11 \*\*\* INTERLEAVED EП ((MARKED)) CUST REQ 12-08-QUAN TOL +/-

		439408	439408	1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	430408	439402	439402	439402	439402	439372	439372	439372	129372		package Ticket
	•	549531	1 0 0 0	212001	211999	549532	549531	212001	211999	549532	549531	212001	211999		Lot
10512	1   1   1   1   1   1	900	יי ה	955	956	959	957	957	957	954	954	954	954	1 1 1 1 1 1 1 1	Weight
11	1 1 1 1 1 1 1 1	H	٠	1	<b></b> 4	٢	ш	ר	1	<b>-</b>	щ	س	Н	t	Quantity
		(	מט	ЪС	PC	D.G.	P C	PC	PC	י ה	DG DG	PC	Dđ	1 1 5 1 1 1 1 1 1 1	MOM
			47355 47406	47355 47406	47355	47355	4/355 4/406	4/355 4/406	4/355	# /600	47355 47406	47355 47406	47355		Inspector Clock Numbers
					\	, .	S.					,	,	1	

110 87 10 110

Num

ThyssenKrupp Materials N.A Inc.
Copper and Brass Sales Division sold to:
Customer:
P.O#: PCC 94396/
CBS Delivery #:
OTY: UPL
Ev:
Date: /A/L

Date: 10 /31/17

14 12/11/10 Бу:

CQR: 0210606.10 -Specification Limits PRODUCED AND MARKED

PRODUCT PRODUCED AND MARKED TO THE REQUIREMENTS OF AMS-QQ- A-250/12 ALSO MEETS THE REQUIREMENTS OF QQ-A-250/12F. PRODUCT

THE REQUIREMENTS OF AMS-QQ-A-250/12.

TO THE REQUIREMENTS OF QQ-A-250/12 F ALSO MEETS

UTS KSI TYS KSI EL4D

<u>.</u>`

Tmpr T651

Dir

Long Transv.

Max Min

77.0

67.0

σ

### Alcoa Inc.

2012-08-16 1418427 Ship Date

B.L. No. 7279278

Invoice No.

Alcoa No. Item 1000400830-3

DP-00830-3

P.O. No./Govt Contract No.

5400149413

С&В

G041094912R10

Customer Alcoa Item

# DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

Ship From:

RIVERDALE, IA.

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Roda Woodal

Rob Woodall Director of Manufacturing Davenport Works

Terrence Thom Quality Assurance Manager

Page 2 of 3

	1.69.T.	1001	7		1.0+. 549531	U9016014	Cast Nimber		F	100		FOC: 8+200:	H9016012	TOOLENAME	Coat Ni		1001	10,01	7	HOL: VITTO	ALLOY (01)	71 71 71	Chemical compositions		CQR: 021
	HOTTE TT CITE	1 1 1	Di r	1	9531	4	mber		1	Long Transv.	Jir	1	)     	1	r T		1	Long Transv.	コニィ	-	000	775	. Compos		.0606.10
	-	rangv.			<ul> <li>Mechani</li> </ul>	Actuals	Chemical -			ransv.			- Mechani	Actuals	Chemical - OES			ransv.			- Mechanio	Min	Max	† . † . )	) -Specifica
		ω	Test	No->	cal, Physica	0.06	- OES SI			ω	Test	No->	cal, Physica	0.06				ω	Test	No->	cal, Physica	Ē		S H	ation Limits
82.5	82.5	82.6	KSI	UTS	al, Metallog	0.06 0.25 1.5 0.02 2.4	FE CU	82.7	83	82.8	KSI	UIS	ıl, Metallog	0.25 1.5	FE CU		82.6			UTS	l, Metallog	1.2	.50 2.0 0.3	E CU MN	CQR: 0210606.10 -Specification Limits (cont.)
72.9	73:7	73.1	KSI	SAL	graphy,	0.02 2	MN	72.9	74.3	73.5	KSI	SYT	raphy,	0.02 2	MN	72.6	73.6	72.5	KSI	TYS	raphy, '	2.1 0	0 2.9 0	Μ Ω	 
12.1	11.9	12.2	PCT	EL4U	- Mechanical, Physical, Metallography, Quantometer Results	2.4 0.18 5.5 0.01	CR ZN	12.7	12.7	13.3	PCT	EL4D	Mechanical, Physical, Metallography, Quantometer Results	0.06 0.25 1.5 0.02 2.4 0.18 5.5 0.01	MG CR ZN TI	12.8	12.5	13.1	PCT	BL4D	- Mechanical, Physical, Metallography, Quantometer Results	.18 5.1 KEMAIN	0.40 0.50 2.0 0.30 2.9 0.28 6.1 0.20 0.05 0.15	R ZN TI Each Total Aluminum	Other Other
,	a	-1	/u	11																					

114

## CERTIFIED INSPECTION REPORT We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet.

Alcoa Inc.

1418427 Ship Date 2012-08-16

B.L. No.

Invoice No.

7279278

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

RIVERDALE, IA.

Ship From:

Alcoa No. Item

DP-00830-3

00000 1000400830-3

P.O. No./Govt Contract No Customer Alcoa Item G041094912R10

This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of false, fictificus, or otherwise fraudulent statements or entries on this certificate by any recipient may be purished as a felony under applicable law.

Per: 5400149413

Terrence Thom

Rob Woodall

Director of Manufacturing Davenport Works Rod Wooded

Page 3 of 3

Cast Number H9016014	Tmpr Dir T651 Lon	Cast Number H9016014 Lot: 549532	Tot: 549531
Chemical - OES Actuals	Dir Long Transv.	. ≱ C	1 - Mechanical, Physical, Metallograpy, Quantometer Results (cont.)
	Test 3	OES .cal,	ical,
0.06		SI 0.06 Physic	Physi
SI FE CU MN MG CR ZN TI 0.06 0.25 1.5 0.02 2.4 0.18 5.5 0.01	KSI 82.5 81.7 82.7	FE 0.25 cal, Met	ical, Me
1.5		CU 1.5 callo	etallo
0.02	KSI 74.2 72.1 73.8	MN 0.02 graphy TYS	ograpy
2.4		MG 2.4 7, Qua	, Qua
CR 0.18	PCT 11.5 12.4 12.2	CR 0.18 antometometometometometometometometometome	ntomet
5.5		ZN 5.5 er Re	er Re
0.01		TI 0.01 sults	sults
			(cont.)

This material was melted in the United States or a Qualifying Country [REF DFARS 225.872.1(a)]; it was manufactured in the United States



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

### **PURCHASE ORDER**

### Purchase Order ID PO18277

Purchase Order Date 10/29/12 **PO Print Date** 10/29/12

Page Number 1 of 3

Order From:

VC-COP001

THYSSENKRUPP MATERIALS CA LTD

O/A VPK METAL- C/O T27540/PO BOX 4275, POSTAL"A"

TORONTO, ON M5W 5V8

CA

Contact Name

**Vendor Phone** 

905 669 9444

Vendor Fax

905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

**Terms** Currency Net 30 CAD

**FOB** 

Destination-Collect

Ship To:

2

DART AEROSPACE LTD

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

**CANADA** 

23611

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable Ui	Req Qty/ nit of Measure	Ship Method	Unit Price	Extended Price
1 M7	7075T6B6.000X1.000	7075-T6 BAR 6.000" X 1.000"	11/07/12 Yes	- 16.00 f	Yours ppd	\$39.8500	\$637.60

Special Inst:

MATERIAL: 7075-T6 OR

T651/T6510/T6511/T62 ALUMINUM BAR AS PER AMS-QQ-A-225/9 OR AMS

4122/4123/4186/4187 OR

PER AMS-QQ-A-200/11 OR QQ-A-250/12

**CUT FROM PLATE** 

7075-T6 BAR 6.000" X

0.250"

11/07/12

16.00 Yours ppd

f

\$13.2000

\$211.20

Yes

Special Inst:

T651/T6510/T6511/T62 ALUMINUM BAR

AS PER AMS-QQ-A-225/9 OR AMS

4122/4123/4186/4187 OR

MATERIAL: 7075-T6 OR

PER AMS-QQ-A-200/11 OR QQ-A-250/12

**CUT FROM PLATE** 

MATERIAL CERTIFICATION REQID UPON DELIVERY

M7075T6B6.000X0.250

No substitution or deviation without consent.

Certificate of Conformity or Material

2

Change Nbr:

Change Date:

10/29/12

Certification required YES NO



3

Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

### PURCHASE ORDER

### Purchase Order ID PO18277

Purchase Order Date 10/29/12 PO Print Date 10/29/12

Page Number 2 of 3

Order From: VC-COP001 THYSSENKRUPP MATERIALS CA LTD O/A VPK METAL- C/O T27540/PO BOX 4275.POSTAL"A" TORONTO, ON M5W 5V8 CA Contact Name Buyer Chantal Lavoie Vendor Phone 905 669 9444 Requisition Nbr Vendor Fax 905 738 9033 Tax Resale Nbr 10127-2607 Net 30 Terms Vendor Account Nbr CAD Currency **FOB** Destination-Collect M7075T6B0.375X8.000 7075-T6 BAR 0.375" X 11/07/12 16.00 \$20.8750 \$334.00 Yours ppd 8.000" Yes f Special Inst: MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR PER AMS-QQ-A-200/11 OR QQ-A-250/12 **CUT FROM PLATE** M7075T6B7.000X2.000 7075-T6 BAR 7.000" X 11/07/12 16.00 Yours ppd \$85.5625 \$1,369.00 2.000" f Yes Special Inst: MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR PER AMS-QQ-A-200/11 OR QQ-A-250/12 **CUT FROM PLATE** M7075T6B0.375X6.000 7075-T6 BAR 0.375" X 11/07/12 \$16.8750 \$270.00 16.00 Yours ppd 6.000" Yes f Special Inst: MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR MATERIAL CERTIFICATION AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR REQ'D UPON DELIVERY PER AMS-QQ-A-200/11 OR QQ-A-250/12 **CUT FROM PLATE** 

No substitution or deviation without consent.

Certificate of Conformity or Material Certification required YES NO

Change Nbr:

2

Change Date:

10/29/12



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

### **PURCHASE ORDER**

### Purchase Order ID PO18277

Purchase Order Date 10/29/12 PO Print Date 10/29/12

Page Number 3 of 3

Order From:

VC-COP001

THYSSENKRUPP MATERIALS CA LTD O/A VPK METAL- C/O T27540/PO BOX 4275.POSTAL"A" TORONTO, ON M5W 5V8

CA

**Contact Name** 

Vendor Phone

905 669 9444

Vendor Fax

905 738 9033

**Vendor Account Nbr** 

Buver

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr Terms

10127-2607 Net 30

Currency

CAD

FOB

Destination-Collect

7

M7075T6B0.375X3.000

7075-T6 BAR 0.375" X 3.000"

11/07/12

**¬** 16.00

Yours ppd

\$8.5000

\$136.00

Yes

f

Special Inst:

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR PER AMS-QQ-A-200/11 OR QQ-A-250/12

**CUT FROM PLATE** 

M7075T6B5.000X1.000

7075-T6 BAR 5.000" X

1.000"

11/07/12

48.00

f

Yours ppd

\$31.2083

\$1,498.00

Yes

Special Inst:

MATERIAL: 7075-T6 OR

T651/T6510/T6511/T62 ALUMINUM BAR AS PER AMS-QQ-A-225/9 OR AMS

4122/4123/4186/4187 OR

PER AMS-QQ-A-200/11 OR QQ-A-250/12

**CUT FROM PLATE** 

PO Total:

\$4,455.80

MATERIAL CERTIFICATION REQ'D UPON DELIVERY

No substitution or deviation without consent.

> Certificate of Conformity or Material Certification required -YES NO

10/29/12

Change Nbr:

Change Date: